

CLAIMS

What is claimed is:

1. A miter saw comprising:
 - a base comprising a working surface;
 - a saw assembly pivotably connected to the base, the saw assembly comprising a blade, the blade being movable in a first cutting plane, the cutting plane intersecting the
 - 5 working surface along a first cutting line; and
 - an adjustable elongated fence mounted on and supported by the working surface, the fence being angularly displaceable relative to the first cutting line.
2. A miter saw as claimed in claim 1, wherein the blade is adjustable so as to adjustably incline the cutting plane relative to the work surface.
- 10 3. A miter saw as claimed in claim 1, wherein the working surface is non-adjustably mounted on the base.
4. A miter saw as claimed in claim 1, wherein the working surface comprises a recessed channel along the first cutting line.
5. A miter saw as claimed in claim 1, wherein the fence comprises at least one releasable restraining member for restraining the fence to the work surface in a plurality of
- 15 angularly adjusted orientations relative to the cutting line.
6. A miter saw as claimed in claim 1, wherein the fence comprises a restraining member comprising a first member disposed in the working surface and threadingly engaged to a second member disposed on the fence.

7. A miter saw as claimed in claim 1, wherein the fence is longitudinally adjustable along the cutting line.
8. A miter saw as claimed in claim 1, wherein the fence extends over the cutting line.
9. A miter saw as claimed in claim 7, wherein the fence comprises a recess for overlying the cutting line in the working surface.
10. A miter saw as claimed in claim 9, wherein the fence comprises at least two separate elongated sections, each section presenting a support face extending perpendicular to the working surface and lie in a same fence plane, with the recess formed by a break between said separate sections.
- 10 11. A miter saw as claimed in claim 10, wherein at least one end of the separate sections is inclined longitudinally outwardly of the break so as to accommodate the blade when the cutting plane is inclined relative to the working surface.
12. A miter saw as claimed in claim 9 wherein the separate sections are interconnected by a rigid support element extending between the separate sections remote from the recess.
- 15 13. A miter saw as claimed in claim 12, wherein the support element extends outside of the fence plane.
14. A miter saw as claimed in claim 1, wherein the fence is pivotally mounted on the working surface about at least one pivot axis.
- 20 15. A miter saw as claimed in claim 1, wherein the working surface comprises a first guide track and the fence comprises a first track follower member in cooperative sliding engagement therewith.

16. A miter saw as claimed in claim 15, wherein the working surface comprises a second two track and the fence comprises a second track follower member for respective cooperating engagement therewith.
17. A miter saw as claimed in claim 15, wherein the first track follower member is 5 longitudinally adjustable along the fence.
18. A miter saw as claimed in claim 15, wherein the first track is linear.
19. A miter saw as claimed in claim 15, wherein the first track is arcuate.
20. A miter saw as claimed in claim 15 wherein the fence is pivotally mounted about the first track follower member.
- 10 21. A miter saw as claimed in claim 1 wherein the working surface comprises an array of first engagement means for cooperative releasable engagement with at least one second engagement means on the fence for restraining the fence on the working surface at a predetermined angular inclination relative to the cutting line, wherein engagement of the second engagement means with a different one of the array of first engagement means 15 restrains the fence in a second predetermined angle relative to the cutting line.
22. A miter saw as claimed in claim 21 wherein the first engagement means comprises an array of holes in the working surface and the second engagement means comprises at least one projection member for engagement with one of the array of holes.
23. A miter saw as claimed in claim 22 wherein the projection member is longitudinally 20 adjustable along the fence.